1 of 14 Title: A Hybrid Neural Network And Support Vector Machine Method For Optimization SN: 107043,044 Inventor: Man Mohan Rai NASA ARC Docket No.: ARC-14586-1 POC: Vickie L. Kent (650) 604-0887

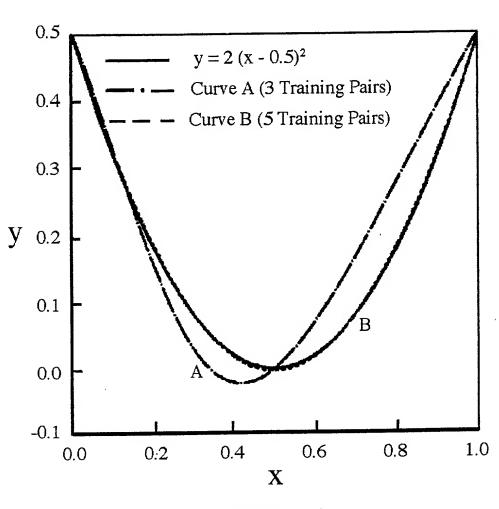
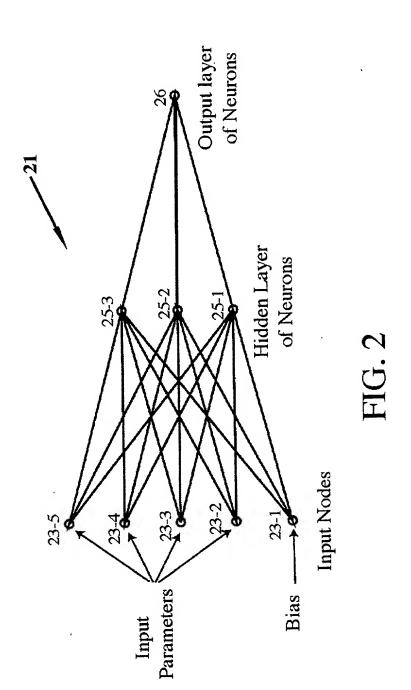
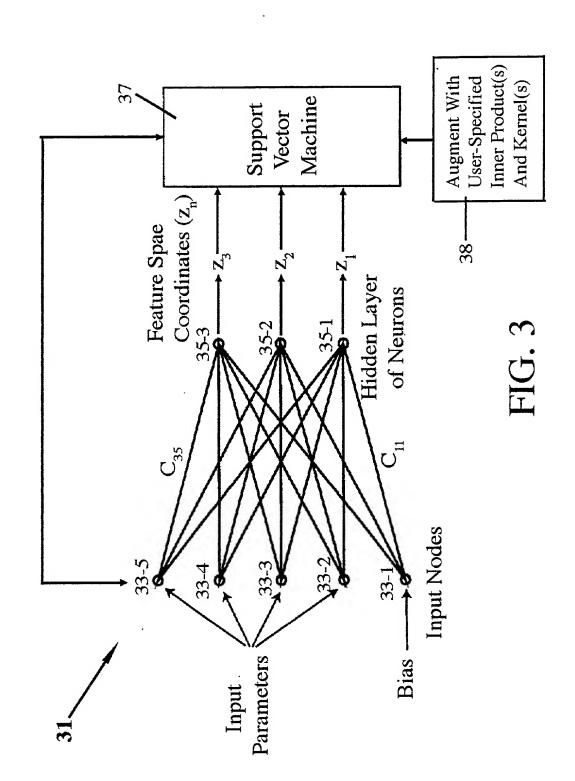


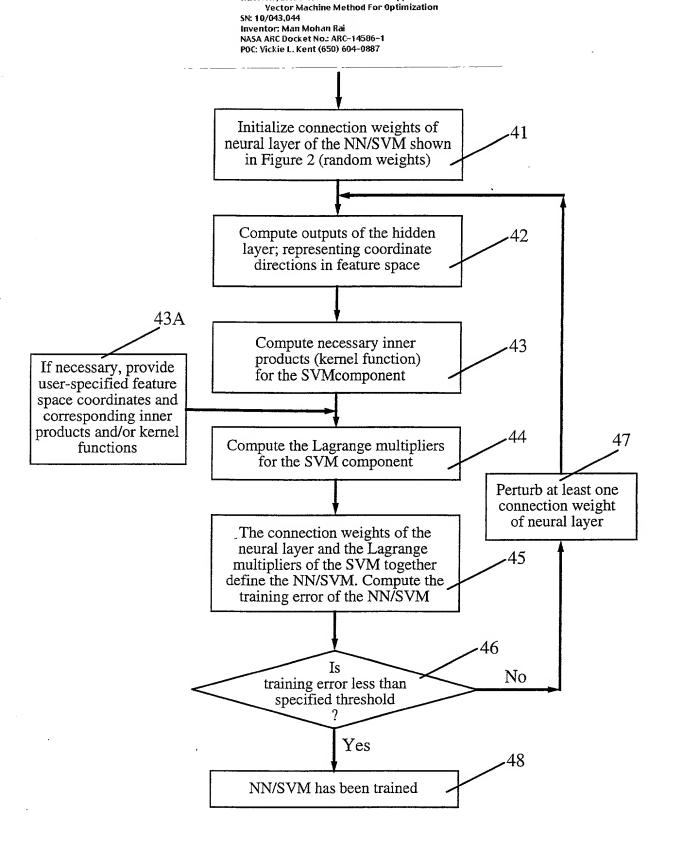
FIG. 1

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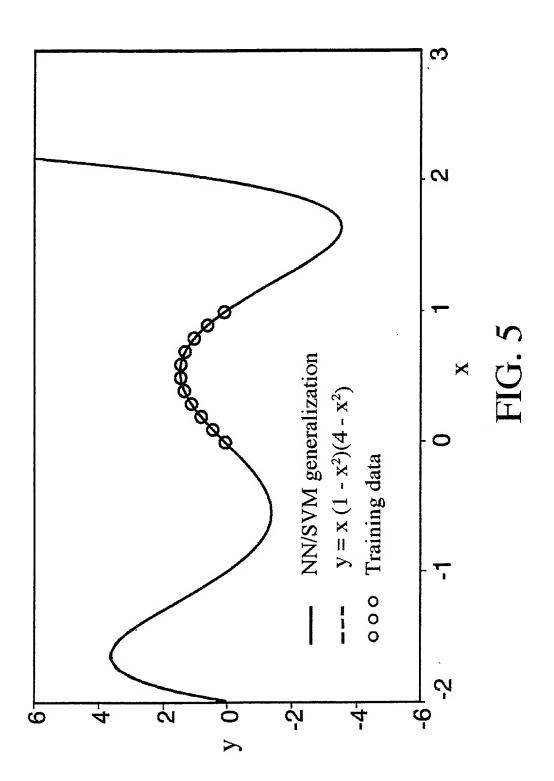




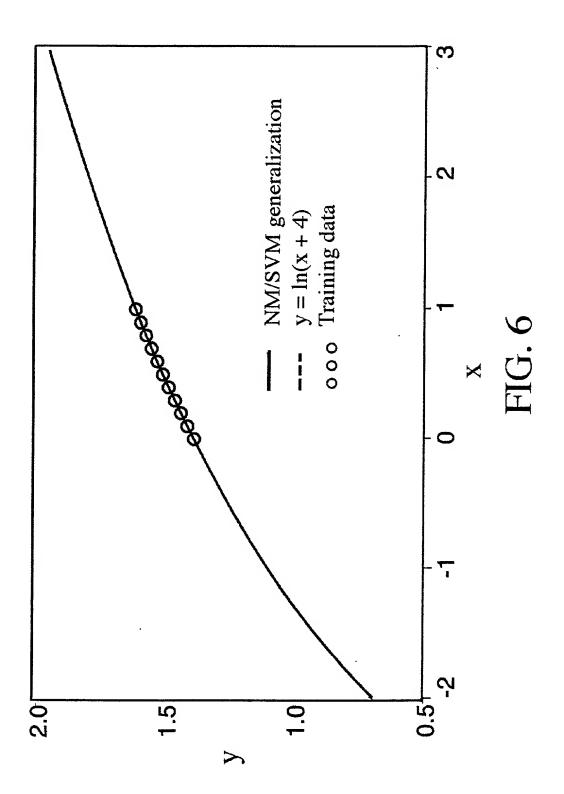
4 of 14 Title: A Hybrid Neural Network And Support

FIG. 4

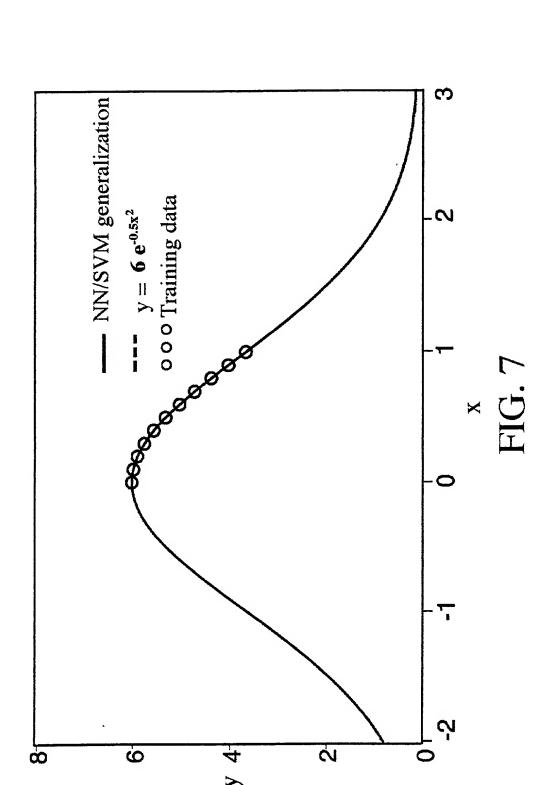
5 of 14 Title: A Hybrid Neural Network And Support Vector Machine Method For Optimization SN: 10/043,044 Inventor: Man Mohan Rai NASA ARC Docket No.: ARC-14586-1 POC: Vickie L. Kent (650) 604-0887



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7 of 14 Title: A Hybrid Neural Network And Support Vector Machine Method For Optimization SN: 10/043,044 Inventor: Man Mohan Rai NASA ARC Docket No.: ARC–14586–1 POC; Vickie L. Kent (650) 604–0887



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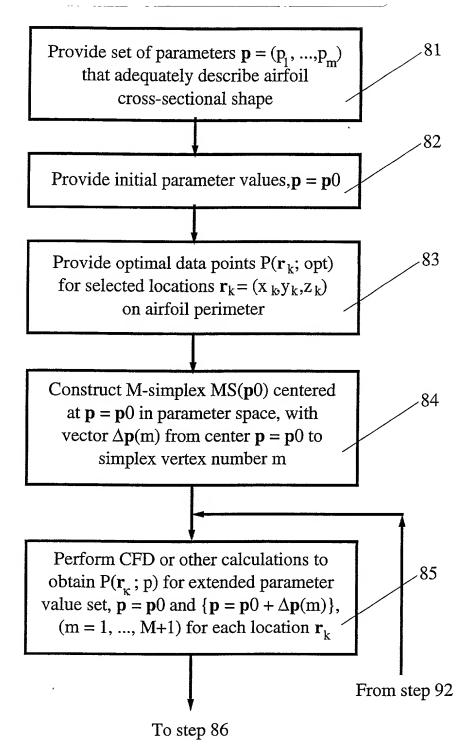
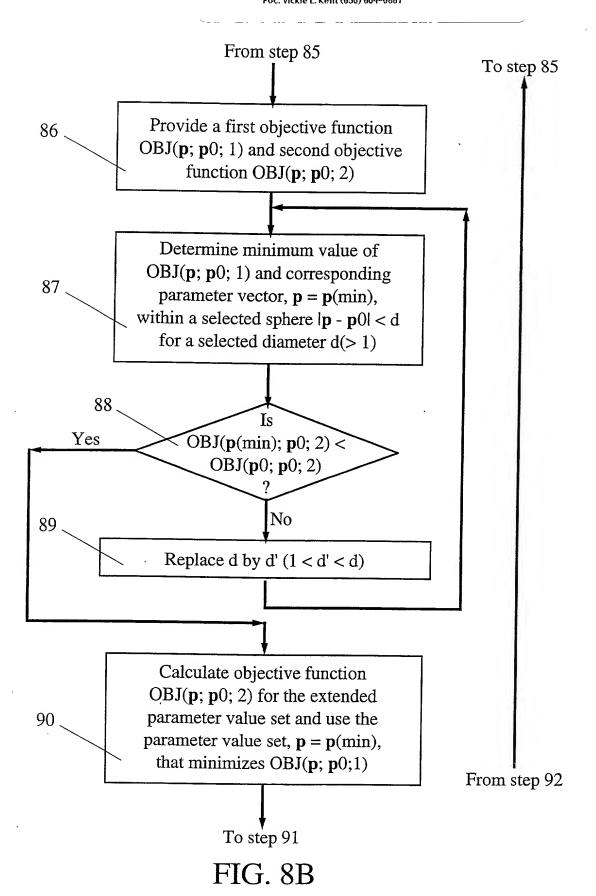


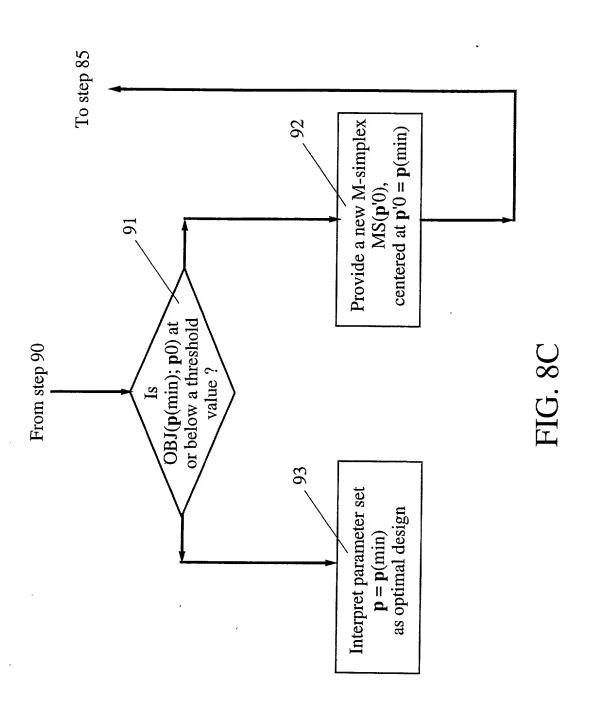
FIG. 8A

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5N: 10/043,044
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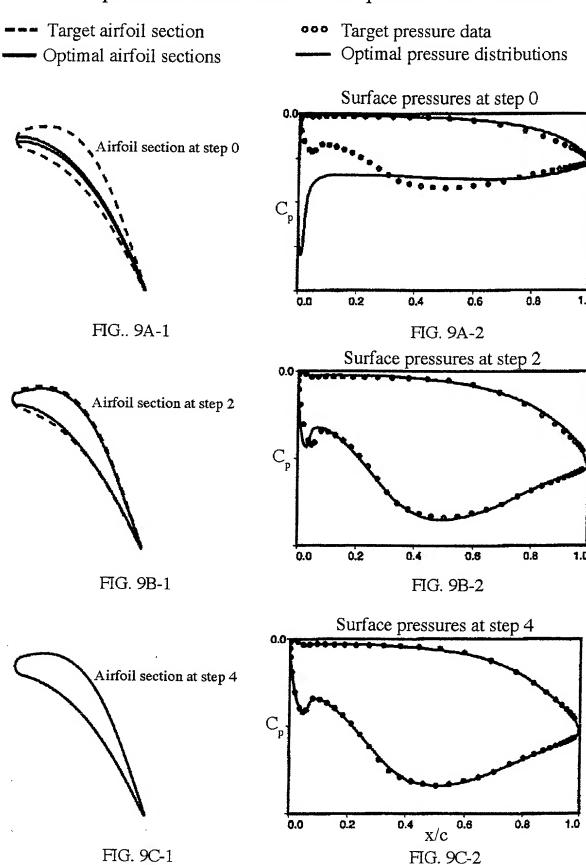
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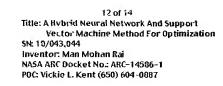
Title: A Hybrid Neural Network And Support
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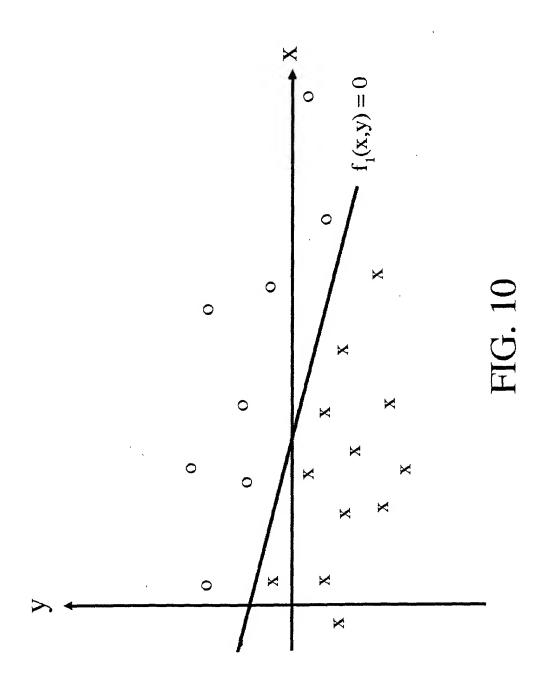


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Title: A Hybrid Neural Network And Support
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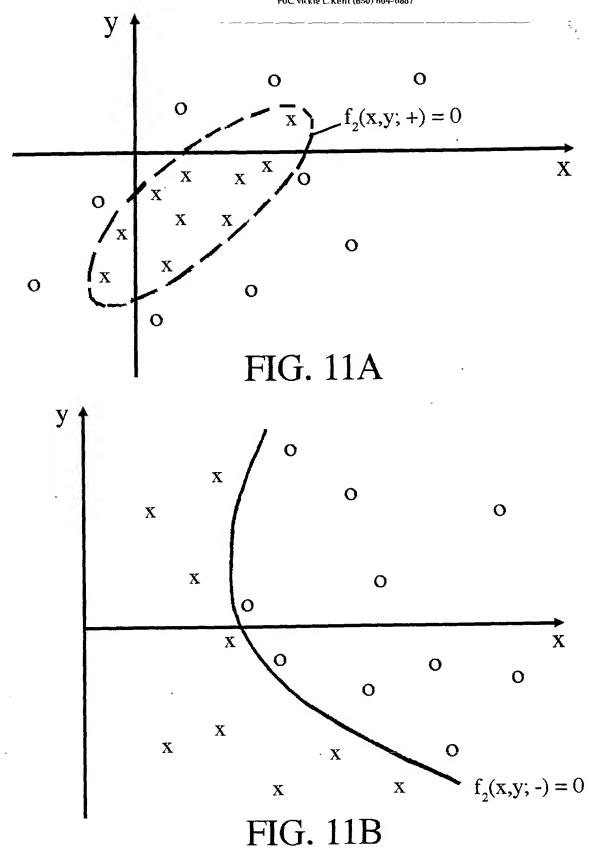
Optimized airfoil sections and pressure distributions







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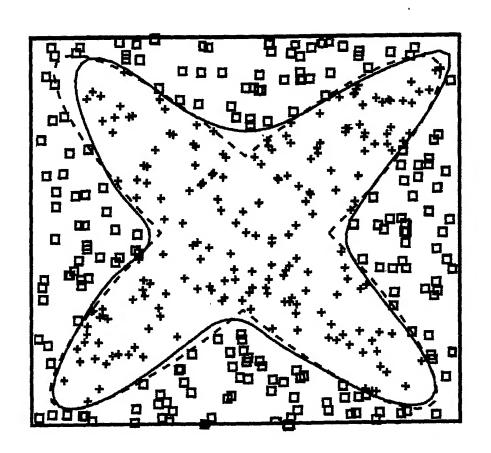


FIG. 12